

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A physical quantity detecting device comprising a resistor formed on a thin-wall portion of a substrate and electrodes respectively connected through first lead conductors to ends of said resistor and made to detect a physical quantity through the use of said resistor, wherein second lead conductors electrically connected to ends of said resistor and formed on said substrate to extend to an outer circumferential end of said substrate.
2. (Previously presented) A physical quantity detecting device according to claim 1, wherein at least one of said second lead conductors has, in the middle thereof, a disconnection portion for making electrical disconnection.
3. (Currently Amended) A physical quantity detecting device according to claim 1, wherein a second resistor is formed on said substrate and is made of the same material as that of said first-mentioned resistor, with temperature coefficients of resistance of said first-mentioned resistor and said second resistor being different by at least more than ~~0.25%~~ 0.25% from each other.
4. (Previously presented) A physical quantity detecting device according to claim 3, wherein the material said first mention resistor and said second mentioned resistor is made with one of platinum and polysilicon doped with impurities, and said temperature coefficient of resistance of said first

mentioned resistor is lower by more than 0.25% than that of said second mentioned resistor.

5. (Previously presented) A physical quantity detecting device according to claim 3, wherein the material for said first mentioned resistor and said second mentioned resistor is made with single-crystal silicon doped with impurities, and said temperature coefficient of resistance of said first mentioned resistor is higher by more than 0.25% than that of said second mentioned resistor.

6. (Previously presented) A physical quantity detecting device according to claim 1, wherein said substrate is a semiconductor substrate.

7. (Previously presented) A method for manufacturing a plurality of physical quantity detecting devices each comprising a resistor formed on a thin-wall portion of a substrate and electrodes respectively connected through first lead conductors to both ends of said resistor so that a physical quantity is detected through the use of said resistor, comprising

currently forming said plurality of resistors on said substrate; after both ends of each of said plurality of resistors are successively electrically connected through a second lead conductor simultaneously energized, the plurality of resistors are simultaneously energized to be heated; and dividing said substrate into units of single resistors.

8. (Previously presented) A method for manufacturing a physical quantity detecting device according to claim 7, further comprising, after the

energization heating, electrically disconnecting said second lead conductor for making connection among said resistors.

9. (Previously presented) A motor vehicle control system comprising a physical quantity detecting device and a control unit for controlling a motor vehicle on the basis of a condition of said motor vehicle detected by said physical quantity detecting device, with said physical quantity detecting device being composed of a resistor formed on a thin-wall portion of a substrate and electrodes respectively connected through first lead conductors to both ends of said resistor so that a physical quantity is detected through the use of the resistor,

wherein a second lead conductor is electrically connected to both ends of said resistor of said physical quantity detecting device and configured to extend to an outer circumferential end of said substrate.